

# NR4A2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21092a

# **Specification**

# NR4A2 Antibody (Center) - Product Information

Application WB,E
Primary Accession P43354

Other Accession <u>Q07917</u>, <u>Q06219</u>, <u>Q08E53</u>

Reactivity Human

Predicted Bovine, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 66591

## NR4A2 Antibody (Center) - Additional Information

### **Gene ID 4929**

## **Other Names**

Nuclear receptor subfamily 4 group A member 2, Immediate-early response protein NOT, Orphan nuclear receptor NURR1, Transcriptionally-inducible nuclear receptor, NR4A2, NOT, NURR1, TINUR

## Target/Specificity

This NR4A2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 380-412 amino acids from the Central region of human NR4A2.

## **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

NR4A2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# NR4A2 Antibody (Center) - Protein Information

## Name NR4A2

# Synonyms NOT, NURR1, TINUR

**Function** Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development (PubMed: 15716272, PubMed: 17184956). It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons (By similarity).

### **Cellular Location**

Cytoplasm. Nucleus. Note=Mostly nuclear; oxidative stress promotes cytoplasmic localization

### **Tissue Location**

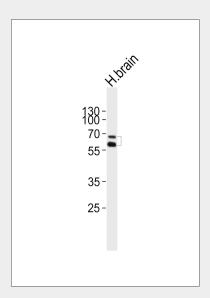
Expressed in a number of cell lines of T-cell, B- cell and fibroblast origin. Strong expression in brain tissue

## NR4A2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## NR4A2 Antibody (Center) - Images

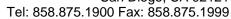


Western blot analysis of lysate from human brain tissue lysate, using NR4A2 Antibody (Center)(Cat. #AP21092a). AP21092a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

# NR4A2 Antibody (Center) - Background

Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development. It is crucial for expression of







a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons (By similarity).

# NR4A2 Antibody (Center) - References

Mages H.W., et al. Mol. Endocrinol. 8:1583-1591(1994). Ichinose H., et al. Gene 230:233-239(1999). Torii T., et al. Gene 230:225-232(1999). Hillier L.W., et al. Nature 434:724-731(2005). Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.